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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known


Application Number	10/657,637
Filing Date	SEPT. 8, 2003
First Named Inventor	David K. Haller
Art Unit	3748
Examiner Name	THERESA TRIEU
Attorney Docket Number	TEC1210/C-502

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
TT		US- 4,389,171	06-21-1983	Eber et al.	
		US- 4,497,815	02-05-1985	Griffith	
		US- 5,062,779	11-05-1991	Da Costa	
		US- 5,345,970	09-13-1994	Leyderman et al.	
		US- 5,346,375	09-13-1994	Akiyama et al.	
		US- 5,370,156	12-06-1994	Peracchio et al.	
		US- 5,597,296	01-28-1997	Akazawa et al.	
		US- 5,863,190	01-26-1999	Yamamoto et al.	
		US- 6,132,191	10-17-2000	Hugenroth et al.	
		US- 6,139,291	10-31-2000	Perevozchikov	
		US- 6,179,589	01-30-2001	Bass et al.	
		US- 6,224,356	05-01-2001	Dewar et al.	
		US- 6,227,830	05-08-2001	Fields et al.	
		US- 6,261,073	07-17-2001	Kumazawa	
		US- 6,299,423	10-09-2001	Perevozchikov	
TT		US- 6,305,912	10-23-2001	Svendsen et al.	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

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Examiner Signature		Date Considered	JUNE 8, 2005
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

MAY 28 2004

Docket Number (Optional)

TEC1210-01

Application Number

10/657,637

Applicant(s)

David K. Haller et al.

Filing Date

September 8, 2003

Group Art Unit

2874 3748

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,720,601	02/24/1998	Tark et al.	417	569	
TT	5,775,894	07/07/1998	Kosco, Jr.	418	63	
TT	5,769,126	06/23/1998	Cho	137	856	

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
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TT	2 755 477 - A1	11/05/1997	France			✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TT	Search Reported dated 05/03/2004.

EXAMINER

[Signature]

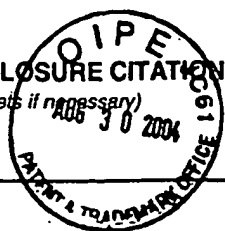
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INFORMATION DISCLOSURE CITATION

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ATTY DOCKET NO.

TEC1210-01/C-502

APPLICATION NO.

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APPLICANT(S)

David K. Haller et al.

FILING DATE

September 8, 2003

GROUP ART UNIT

2815 3748

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	Re. 34,297	06/29/1993	Elson	417	372	
	Re. 25,569	05/05/1964	Coron et al.	330	117	
	2,661,172	12/01/1953	Needham	248	19	
	3,039,725	06/19/1962	Kerley, Jr.	248	20	
TT	3,145,960	08/25/1964	Langdon	248	13	

U.S. PATENT APPLICATION PUBLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	2001/0055536	12/27/2001	Bernardl et al.	418	55.6	
TT	2001/0006603	07/05/2001	Hong et al.	418	55.1	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
TT	JP402061382A	03/01/1990	Japan	I	I		
	JP407259764A	10/09/1995	Japan	I	I		
	JP61087994	05/06/1986	Japan	I	I		
	JP2001020881A	01/23/2001	Japan	I	I		
TT	JP2002098056A	04/05/2002	Japan	I	I		

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				David K. Haller et al.			
				FILING September 8, 2003		GROUP ART 2815 3748	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT		3,749,340	07/31/1973	Williams et al.	248	24	
		3,785,167	01/15/1974	Sahs	62	296	
		4,089,613	05/16/1978	Babbitt, Jr.	403	388	
		4,244,680	01/13/1981	Ishizuka et al.	418	92	
TT		4,416,594	11/22/1983	Ichikawa	417	360	

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
TT		JP2002021729A	01/23/2002	Japan	—	—		
TT		JP410148191A	06/02/1998	Japan	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			

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				FILING September 8, 2003		GROUP ART 2815	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
T7		4,518,276	05/21/1985	Mitchell	403	13	
		4,552,518	11/12/1985	Utter	418	55	
		4,557,677	12/10/1985	Hasegawa	418	63	
		4,685,188	08/11/1987	Goy	29	446	
T7		4,767,293	08/30/1988	Caillat et al.	418	55	

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
T7		4,792,288	12/20/1988	Gromoll et al.	417	278		
		4,818,198	04/04/1989	Tamura et al.	418	55		
		4,877,382	10/31/1989	Caillat et al.	418	55		
		4,992,033	02/21/1991	Caillat et al.	418	553		
TT		5,012,896	05/07/1991	Da Costa	484	616		
U.S. PATENT APPLICATION PUBLICATIONS								
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2815- 3748

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,211,031	05/18/1993	Murayama et al.	62	498	
	5,219,281	06/15/1993	Caillat et al.	418	55.6	
	5,222,885	06/29/1993	Ramshankar et al.	418	96	
	5,224,845	07/06/1993	Mangyo et al.	417	423.15	
TT	5,240,391	08/31/1993	Ramshankar et al.	417	410B	

U.S. PATENT APPLICATION PUBLICATIONS

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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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APPLICATION NO.

10/657,637

David K. Haller et al.

FILING

September 8, 2003

GROUP ART

3815- 3748

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT	5,247,738	09/28/1993	Yoshii	29	888.022	
	5,312,234	05/17/1994	Yoshii	418	55.1	
	5,345,785	09/13/1994	Sekigami et al.	62	468	
	5,348,455	09/20/1994	Herrick et al.	418	63	
TT	5,391,066	02/21/1995	Sawai et al.	418	55.6	

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. TEC1210-01/C-502		APPLICATION NO. 10/657,637		
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U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
TT		5,427,511	06/27/1995	Caillat et al.	418	55.1		
		5,474,433	12/12/1995	Chang et al.	418	55.4		
		5,487,648	01/30/1996	Alfano et al.	417	312		
		5,522,715	06/04/1996	Watanabe et al.	418	55.1		
TT		5,531,577	07/02/1996	Hayase et al.	418	55.1		
U.S. PATENT APPLICATION PUBLICATIONS								
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				FILING September 8, 2003		GROUP ART 2815 3748	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT		5,533,875	07/09/1996	Crum et al.	412	368	
		5,579,651	12/03/1996	Sugiyama et al.	62	469	
		5,580,233	12/03/1996	Wakana et al.	418	94	
		5,597,293	01/28/1997	Bushnell et al.	417	410.3	
TT		5,634,781	06/03/1997	Yoshida et al.	418	55.1	


U.S. PATENT APPLICATION PUBLICATIONS							
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U.S. PATENT DOCUMENTS								
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TT		5,645,408	07/08/1997	Fujio et al.	418	55.4		
		5,660,539	08/26/1997	Matsunaga et al.	418	55.6		
		5,683,237	11/04/1997	Hagiwara et al.	418	55.2		
		5,695,326	12/09/1997	Oka et al.	418	55.1		
TT		5,716,202	02/10/1998	Koyama et al.	418	55.6		
U.S. PATENT APPLICATION PUBLICATIONS								
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FOREIGN PATENT DOCUMENTS								
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT		5,829,959	11/03/1998	Tsubono et al.	418	55.3	
		5,913,892	06/22/1999	Kwon	62	296	
		5,931,649	08/03/1999	Caillat et al.	418	55.1	
		5,931,650	08/03/1999	Yasu et al.	418	55.3	
TT		5,947,709	09/07/1999	Koyama et al.	418	55.6	

U.S. PATENT APPLICATION PUBLICATIONS							
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FOREIGN PATENT DOCUMENTS								
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT		5,964,581	10/12/1999	Iizuka et al.	417	4103	
		6,000,917	12/14/1999	Smerud et al.	417	368	
		6,011,336	01/04/2000	Mathis et al.	310	91	
		6,027,321	02/22/2000	Shim et al.	418	1	
TT		6,039,551	03/21/2000	Takeuchi et al.	418	88	

U.S. PATENT APPLICATION PUBLICATIONS							
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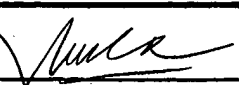
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. TEC1210-01/C-502		APPLICATION NO. 10/657,637	
				David K. Haller et al.			
				FILING September 8, 2003		GROUP ART 2815	

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TT		6,050,794	04/18/2000	Noboru et al.	418	55.6	
		6,056,523	05/02/2000	Won et al.	418	15	
		6,106,254	08/22/2000	Hirooka et al.	418	55.6	
		6,156,106	12/05/2000	Kamata	96	189	
TT		6,162,035	12/19/2000	Hayano et al.	418	220	


U.S. PATENT APPLICATION PUBLICATIONS							
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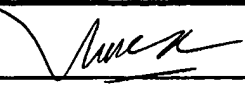
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TT		6,167,719	01/02/2001	Yakumaru et al.	62	468		
		6,171,076	01/02/2001	Yakumaru et al.	62	468		
		6,186,753	02/13/2001	Hugenroth et al.	418	55.1		
		6,247,910	06/19/2001	Yokoyama	418	55.1		
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TT		6,402,485	06/11/2002	Hong et al.	417	366		
U.S. PATENT APPLICATION PUBLICATIONS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
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